# Technical Document BA25005

# Part 2 — Technical Requirements Application under the Agricultural Constitute Actions and find findings.

0	+
NRCB	Natural Resources Conservation Board

	Y		Application number	Lega	al land description
☐ Approval ☐ Registration ☒ Authorization ☐		N authorization	BA25005	SE 15-62-1 W5N	
☐ Amendment		Authorization		_	14-62-1 W5M
	N DISCLOSUR	E		011	14 02 1 W 3W
TO A ISIONIS OF THE L	collected under the reedom of Informa at certain sections	ation and Protection of P	cultural Operation Practices Act ( Privacy Act. This information is p	(AOPA), and public unless	is subject to the the NRCB grants a
			an offence and is subject to	enforcemen	nt action, including
the applicant, or	applicant's agent,	have read and understa the best of my knowled	and the statements above, and	I acknowledg	ge that the information
April	1 23.	2025	ge.		
ate of signing			Signature		
Lottrer F	arms Itd		Karl	Rot	tier
orporate name (if	applicable)		Print name		
ENERAL INFO	RMATION REQU	JIREMENTS			
Proposed faciliti	es: list all propose	d confined feeding oper	ration facilities and their dimensi	ions. Indicate	whether any of the
		xisting facilities. (attach	additional pages if needed)		imensions (m)
roposed facilitie	es			The second second	h, width, and depth
V R.		10	1	01	711
vew 13a	on with	1		85	121
Calf B	ion and	mik how	use	28.5	7.4
		1			7
				20	x JY
nanue !	Storge A	d			
nanwe !	Storge A	ed			
Manure !	Storge A	id			
Manue !	Storge A	id			
		onfined feeding operati	on facilities and their dimension	is	
isting facilities:		onfined feeding operati	on facilities and their dimension  Dimensions ( (length, width, and	m)	NRCB USE ONLY
isting facilities: isting facilities		confined feeding operati	Dimensions ( (length, width, and	m)	NRCB USE ONLY
isting facilities: isting facilities ~~	list ALL existing o		Dimensions ( (length, width, and	m)	NRCB USE ONLY
isting facilities: isting facilities  or  He Shed	list ALL existing of		78, (3.4, 230, 27, 2, 2	m)	NRCB USE ONLY
isting facilities: isting facilities  arn He Shed He Shed	list ALL existing of		Dimensions ( (length, width, and	m)	NRCB USE ONLY
isting facilities: isting facilities  or  He Shed	list ALL existing of		78, (3.4, 230, 27, 2, 2	m)	NRCB USE ONLY
isting facilities: isting facilities  an He Shed He Shed	list ALL existing of		Dimensions ( (length, width, and 78, 13.4, , 30, 27, , 27, 8.9	m)	NRCB USE ONLY

Last updated September 11, 2023



Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Winter Cow Pack	59 59	
Call pen (Calves under a year) Winter	59,30	
I ren &	13, 13	
Pasture winter sheds	392,59	not cfo facilities
lagour	44.5, 10.4, 5	
0		
	- 1/2/1	
		A. Francisco
		W. C. Tarley
7 82.08		



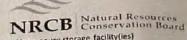
Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

			in what will happen to			□ N/A
Unsure	Wether	it'll be con	ne machine	- shed or	to	house
heifer's, N	No plan	to Conver	+ Born fo	r 5+10	year's	
Construction comple		oposed facilities	2027			
Propos	sed barn is a	a solid manure	oose housing b	arn.		

**Livestock numbers:** Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation (MDS).

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total

Last updated September 11, 2023



Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING WATER ACT LICENCE

issued by Alberta Environment and Protected Areas (EPA) for a confined feeding operation (CFO)

Date and sign one of the following four options OPTION 1: Applying through the NRCB for both the AOPA permit and the Water Act licence I DO want my water licence application coupled to my AOPA permit application. Signed this \_\_\_\_day of \_\_\_\_\_\_, 20\_\_\_\_. Signature of Applicant or Agent OPTION 2: Processing the AOPA permit and Water Act licence separately 1. I (we) acknowledge that the CFO will need a new water licence from EPA under the Water Act for the development or activity proposed in this AOPA application. 2. I (we) request that the NRCB process the AOPA application independently of EPA's processing of the CFO's application for a water licence. 3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the Water Act. 4. I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to an AOPA permit in the absence of a Water Act licence will not be relevant to EPA's consideration of whether to grant the Water Act licence application. 5. I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the Water Act licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the Water Act. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the Water Act). 6. AS RELEVANT: I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the Bow, Oldman and South Saskatchewan River Basin Water Allocation Order [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations. 7. Provide: Water licence application number(s) Signed this \_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_\_\_. Signature of Applicant or Agent OPTION 3: Additional water licence not required 1. I (we) declare that the CFO will not need a new licence from EPA under the Water Act for the development or activity proposed in this AOPA application. Provide: Water license number(s) or water conveyance agreement details Signed this 28 day of April , 2025.

Signature of Applicant or Agent

# ite plan

ME15-62-1-5 NW14-62-1-5 SE15-62-1-5 SW14-62-1-5

barn



barn 113' by 266' with 34' cement pad for manure storage, located on SE 15 62-1-5



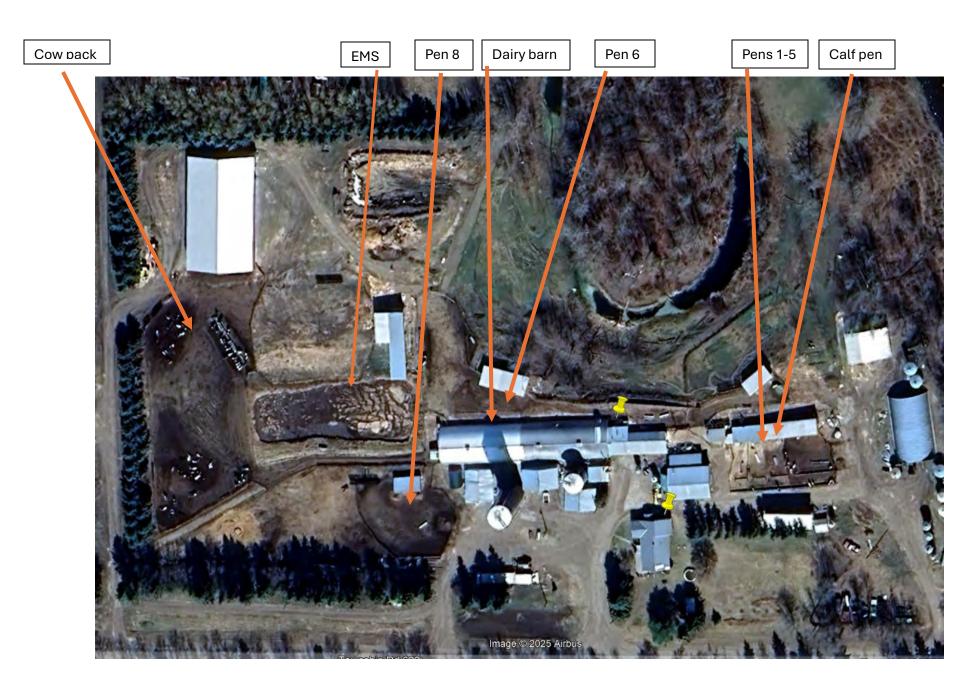
milk house/ calf barn 25' by 96'

- drive way
- driveway
- & powerline
- grain bin North 1530n farm boundary East 627m
- farm boundary West 985n south 400 neighbor 1000 m
- neighbor 1500 M
- neighbor 1700 ~
- run off water way/ditch
- run off water way/ditch
- Line 15
- Line 16
- shoal creek 4-447 twp 622 40 M
- run off water way/ditch
- 4 neighbor 2000 ~
- neighbor 2000 m





new dairy barn on adjacent quarter and portion in between is feed yard and pasture area.



yellow pins are water wells

New barn/solid manure storage pad/calf barn





Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

ropose	d 2:	MAIL			d 1: Bour		
Facili	ty and environmental risk		Faci	lities			NRCB USE ONLY
	information	Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information	What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	>1 m 	□ >1 m □ ≤ 1 m	□ >1 m □ ≤1 m	□ > 1 m □ ≤ 1 m	YES NO NO YES with exemption	not within 1:25 year
u er	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			YES NO YES with exemption	None known
information	How many water wells are within 100 m of the manure storage facility or manure collection area?	2	0			YES NO YES with exemption	2 wells in yard by exis facilities none near ne
.=	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	100m	447~			YES NO YES with exemption	50 m from pen to tributary to pembina riv
ation	What is the depth to the water table?		76n			YES NO YES with exemption	new facility meets requirements
Information	What is the depth to the groundwater resource/aquifer you draw water from?	160'	160'			YES NO YES with exemption	32 m ID 373623

Additional information (attach supporting information, e.g. borehole logs, records, etc. you consider relevant to your application)

Last updated September 11, 2023



RST for <u>proposed</u> facilities			
Facility	Groundwater score	Surface water score	File number
See Decision Summary	BA25005		
RST for <u>existing</u> facilities			
Facility	Groundwater score	Surface water score	File number
EMS	Low	Low	BA25005
Dry cow pen	Low	Low	BA25005
RST related comments:			



NRCB USE ONLY WATER WEL		WATER INFORMAT	ION	
Well IDs:	ID 1760337	ID 3736	23	ID 373626
		rectly affected parties or re		☐ YES M NO
		ectly affected parties or ref	erral agencies:	☐ YES ☑ NO
Water wells	☑ N/A		□ □	
		ance requirements applied:	☐ YES ☐ NO Condition	n required: YES NO
Surface water				n reguired: YES NO
If applicable, exe	mption for 30 m dista	nce requirements applied:	LI YES LI NO Condition	n required: LYES LNO
Water Well Exe	mption Screening To	ool 🗹 N/A		
Wate	er Well ID	Preliminary Screening	Secondary Screening	Facility
- Watt	51 VVGII 12	Score	Score	1 dointy
Groundwater or	r surface water rela	ted comments:		



# Abertan Water Well Drilling Report

View in ImperialExport to ExcelGIC Well ID373623

GoA Well Tag No.

	accuracy. The information on this report will be retained in a public database.	Drilling Company Well ID	
GOWN ID	,	Date Report Received	1974/11/14

Well Ident	ification and L	ocation								M	easurement in Metric
Owner Nan ROTTIER,			Address			Town			Province	Country	Postal Code
Location	1/4 or LSD SW	SEC 14	<i>TWP</i> 62	RGE 1	W of MER 5	Lot	Block	Plan	Additional L	Description	
Measured f		f m from m from			GPS Coordir Latitude <u>5</u> How Location Map	4.359717	-	es (NAD 83 tude <u>-114.</u> 0	045590 Ell	evation bw Elevation Obtained	<u>m</u>

Drilling Information Method of Drilling Unknown	Type of Work Unknown	
Proposed Well Use Unknown		

Formation Log	Measurement in Metri
Depth from W ground level (m) Be	
3.05	Clay
4.57	Sand
7.62	Blue Clay
12.19	Sand
16.76	Blue Clay
19.81	Gravelly Boulders
29.87	Blue Clay
32.00	Brown Shale
33.53	Green Shale
36.58	Brown Shale
38.10	Gray Shale & Coal
45.72	Gray Shale

Yield Test Summary	Measurement in Metric
Recommended Pump Rate 0.0 Test Date Water Removal Rate (I	0 L/min /min) Static Water Level (m)
1974/10/10 31.82	
Well Completion	Measurement in Metric
Total Depth Drilled Finished Well Depth 45.72 m	Start Date End Date 1974/10/08 1974/10/10
Borehole	1974/10/08 1974/10/10
	(m) <u>To (m)</u> 00 45.72
	Well Casing/Liner Steel
Size OD : 13.97 cm	Size OD : 11.43 cm
Wall Thickness : 0.000 cm	Wall Thickness : 0.000 cm
Bottom at : 32.00 m	Top at : 0.00 m
Perforations Perforations	Bottom at : 45.72 m
Diameter or	Slot Length Hole or Slot (cm) Interval(cm) 0.00
Perforated by Unknown	
Annular Seal Driven Placed from 0.00 m to Amount	
Other Seals	At (m)
Screen Type	
Size OD : 0.00 cm	
From (m) To (	m) Slot Size (cm)
Attachment	·
Top Fittings	Bottom Fittings
Pack	
Туре	Grain Size
Amount	

n

Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER

Company Name BIG IRON DRILLING LTD.

Certification No



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. Drilling Company Well ID

373623

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

GOWN ID	•	•	•	D	ate Report Received	1974/11/14
Well Identification	and Location					Measurement in Metric
Owner Name ROTTIER, JACK	Address		Town	Province	Country	Postal Code
Location 1/4 or SW	LSD SEC TWP 14 62	1 5			Description	
Measured from Bou	ndary of m from m from	GPS Coordinate Latitude 54.3 How Location C Map		<u>-114.045590</u> E	Elevation How Elevation Obtain Hot Obtained	
Additional Informa	ition					Measurement in Metric
Is Artesian Flow	of Casing to Ground Level	<u>cm</u> _		nstalled Describe		
Recommended Pui	<del></del>	0.00 L/min	Pump Installed Yes	D	epth	
Recommended Pui	mp Intake Depth (From TOC)		Type SUBMERSIBL	E Make S-D1	2-50 H.	P. <u>.5</u>
	·				Model (Output Ratir	ng)
Did you Encounte	r Saline Water (>4000 ppm TL			ell Disinfected Upon Co	mpletion	
Remedial Action		Gas Depth	m	Geophysical Log To Submitted to E	sken	
Additional Comm	ents on Wall		Sample Collect	ted for Potability	Submitte	ed to ESRD
WATER IS SOFT.	one on won					
Yield Test	Clark Time	Ctalia Materia aval		Taken From Gro Depth to	und Level water level	Measurement in Metric
Test Date 1974/10/10	Start Time 12:00 AM	Static Water Level 2.44 m	Pumping		sed Time utes:Sec	Recovery (m)
Method of Water F	Removal					
	Type Bailer		-			
	Rate 31.82 L/min					
Depth Withdrawn F	From 45.72 m		<del></del>			
If water removal pe	riod was < 2 hours, explain wh	<b>y</b>				
Water Diverted for	r Drilling					
Water Source		Amount Taken L		Diversion L	Date & Time	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

**UNKNOWN NA DRILLER** 

Company Name BIG IRON DRILLING LTD. Certification No



<u>View in Imperial</u> <u>Export to Excel</u>

GIC Well ID GoA Well Tag No.

373626

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database. **Drilling Company Well ID** GOWN ID **Date Report Received** 1988/11/29 Well Identification and Location Measurement in Metric Owner Name Address Town Province Country Postal Code **ROTTIER FARMS** RR1, DAPP I ocation 1/4 or LSD SEC TWP RGE W of MER I of Block Plan Additional Description 14 62 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Latitude 54.361525 Longitude -114.042495 m from How Location Obtained How Elevation Obtained m from Not Obtained **Drilling Information** Method of Drilling Type of Work Cable Tool New Well Proposed Well Use **Domestic & Stock** Formation Log Yield Test Summary Measurement in Metric Measurement in Metric 31.82 L/min Recommended Pump Rate Depth from Water Lithology Description Test Date Water Removal Rate (L/min) Static Water Level (m) ground level (m) Bearing 1988/11/11 18.90 Clay 7.01 22.25 Sand Well Completion Measurement in Metric Total Depth Drilled Finished Well Depth Start Date End Date 26.21 Clay 39.62 m 1988/11/06 1988/11/11 28.04 Sand Borehole 33.83 Gray Shale Diameter (cm) From (m) To (m) 35.66 Sandstone 0.00 0.00 39.62 Gray Shale & Sandy Stringers Well Casing/Liner Surface Casing (if applicable) Steel Size OD: 13.97 cm Size OD: 11.43 cm 0.620 cm 0.635 cm Wall Thickness: Wall Thickness: 25.91 m Bottom at : \_ 32.00 m Top at: 39.62 m Bottom at: **Perforations** Diameter or Slot Width Slot Length Hole or Slot Interval(cm) From (m) To (m) (cm) (cm) 0.318 40.64 33.53 39.62 Perforated by Torch Annular Seal Driven Placed from 0.00 m to Amount Other Seals At (m) Screen Type Size OD: To (m) Slot Size (cm) From (m) Attachment **Bottom Fittings** Top Fittings Pack Grain Size Amount Contractor Certification

Name of Journeyman responsible for drilling/construction of well

**UNKNOWN NA DRILLER** Company Name

**BIG IRON DRILLING LTD.** 

Certification No



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. **Drilling Company Well ID** 

373626

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database. **GOWN ID Date Report Received** 1988/11/29 Well Identification and Location Measurement in Metric Owner Name Address Town Province Country Postal Code **ROTTIER FARMS** RR1, DAPP TWP Location 1/4 or LSD SEC RGE W of MER Lot Block Plan Additional Description 62 14 1 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of 54.361525

	m from	How Location O Map	btained	How Elevation Not Obtained	Obtained
Additional Informa	ation				Measurement in Metric
	o of Casing to Ground Level	-	Is Flow Control Installed Describe		
Recommended Pu		31.82 L/min	Pump Installed Yes	Depth	m
Recommended Pu	mp Intake Depth (From TOC)	30.78 m	Type SUBMERSIBLE	Make 7606 Model (Outpu	H.P5 nt Rating)
Did you Encounte	er Saline Water (>4000 ppm TDS, Gas Taken		m Geop	ected Upon Completion physical Log Taken Submitted to ESRD	
Additional Comm WATER IS SOFT.	nents on Well			en From Ground Level	ubmitted to ESRD
Test Date	Start Time	Static Water Level	I div	Depth to water level	Measurement in Menic
1988/11/11	12:00 AM	7.01 m	Pumping (m)		Recovery (m)
Removal Depth Withdrawn	Removal Type Baller Rate 40.91 L/min From 39.62 m eriod was < 2 hours, explain why				
Water Diverted for	or Drilling				
Water Source		Amount Taken		Diversion Date & Time	

L

**Contractor Certification** 

Name of Journeyman responsible for drilling/construction of well

**UNKNOWN NA DRILLER** 

Company Name BIG IRON DRILLING LTD. Certification No



**View in Imperial Export to Excel** 

GIC Well ID GoA Well Tag No.

1760337

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

**Drilling Company Well ID** 

GOWN ID					Date Report Receiv	ed 2016/08/22
Well Identification and L	ocation					Measurement in Metric
Owner Name ROTTIER, CARL	Address RR #1	Tow DAF		Province ALBERT	•	Postal Code T0G 0S0
Location 1/4 or LSD 2	SEC TWP RGE 15 62 1	W of MER Lot 5	Block Pla	n Additio	nal Description	
	f m from m from	GPS Coordinates in De Latitude 54.356490 How Location Obtained Differential corrected h	Longitude <u>-</u>	114.064170	Elevation How Elevation Obt	606.03 m ained ad handheld GPS 5-10m
Drilling Information  Method of Drilling  Rotary - Mud  Proposed Well Use  Domestic		<i>Type of Work</i> New Weil				
		loacurement in Metric	Viold Tost Sur	nman/		Measurement in Metric
Pormation Log  Depth from Water ground level (m)  6.10	Lithology Description  Yellow Clay	leasurement in Metric	Yield Test Sur Recommended Test Date 2015/08/25	-		Measurement in Metric  Static Water Level (m)  4.62
13.41	Blue Clay	· · · · · · · · · · · · · · · · · · ·	Well Completi	on .	··· · · · · · · · · · · · · · · · · ·	Measurement in Metric
30.48	Gray Shale		•	ed Finished We	ll Depth Start Date	End Date
48.77 Yes	Gray Sandstone		50.29 m	50.29 m	2015/08/25	
·	Brown Shale		Borehole			
50.29	DIOWII SIIGE		30.48  Perforated by  Annular Seal  Placed from  Amount  Other Seals  S  Screen Type  Size OL  From (n	(if applicable)  14.13 c  0.478 c	m Wall Thickning Toy Botton er or fidth Slot Length n) (cm)  Tablets to 18.29 m Bags  To (m)	OD: 11.43 cm ess: 0.635 cm o at: 13.72 m
			, unoun			
Contractor Contilloction			·		···	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

THOMAS MEASURES

Company Name TOM MEASURES DRILLING Certification No

VB2445

Copy of Well report provided to owner

Date approval holder signed 2015/08/26



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. 1760337

**Drilling Company Well ID** 

accuracy. The information on this report will be retained in a public database. GOWN ID **Date Report Received** 2016/08/22 Well Identification and Location Measurement in Metric Owner Name Address Town Province Country Postal Code ROTTIER, CARL DAPP **ALBERTA** CANADA TOG 0S0 RR #1 TWP Additional Description Location 1/4 or LSD SEC RGE W of MER Block Plan 1 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Latitude 54,356490 Longitude -114.064170 606.03 m m from How Elevation Obtained How Location Obtained m from Differential corrected handheld GPS 5-10m Differential corrected handheld GPS 5-10m Additional Information Measurement in Metric Distance From Top of Casing to Ground Level 30.48 cm Is Artesian Flow Is Flow Control Installed Recommended Pump Rate 45.46 L/min Pump Installed Yes Depth 27.43 m Type Submersible Recommended Pump Intake Depth (From TOC) 27.43 m Make JAC4ZZI H.P. 0.5 Model (Output Rating) Did you Encounter Saline Water (>4000 ppm TDS) Well Disinfected Upon Completion Yes Depth m Depth m Geophysical Log Taken Remedial Action Taken Submitted to ESRD Sample Collected for Potability Submitted to ESRD Additional Comments on Well Yield Test Taken From Top of Casing Measurement in Metric Depth to water level Test Date Start Time Static Water Level Pumping (m) Elapsed Time Recovery (m) 2015/08/25 2:25 PM 4.62 m Minutes:Sec 0:00 24.32 Method of Water Removal 1:00 20.42 16.79 2:00 Type Air 3:00 13.53 81.83 L/min Removal Rate 4:00 10.55 Depth Withdrawn From 49.99 m 5:00 6:00 If water removal period was < 2 hours, explain why 7:00 8:00 9:00 10:00 12:00 4.66 14:00 Water Diverted for Drilling Water Source Amount Taken Diversion Date & Time 2015/08/24 11:05 AM

Contractor Certification

**BARRHEAD PLANT** 

Name of Journeyman responsible for drilling/construction of well THOMAS MEASURES

4546.09

Company Name

TOM MEASURES DRILLING

Certification No VB2445

Copy of Well report provided to owner

Date approval holder signed 2015/08/26



Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

#### DISTANCE OF ANY MANURE STORAGE FACILITY (EXISTING OR PROPOSED) TO NEIGHBOURING RESIDENCES

					NRCB USE ONI	-Y	
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Chris and Michael Retires	IVE 11-62-1-5	1000~	Ag	Cat 1	345	n/a	Yes
Jame's and Amanda	SW15-62-1-5	1500 n	Ag	Cat 1	1543		Yes
Glen and Box's Vandick	NW15 62-1-5	1700m	Ag	Cat 1	1700		Yes
Herb and Victor Seather	SW13 62-1-5	2000	Ag	Cat 1	1300		Yes
Bichard and Val Scatter	NE14 62-1-5	2000	Ag	Cat 1	1485		Yes

LAND BASE FOR MANURE AND COMPOST APPLICATION (complete only if an increase in livestock or manure production will occur)

				NRCB US	E ONLY
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
N/A not for an	increase in permitted livest	ock			
			Total		

<sup>\*</sup> If you are **not** the registered landowner, you must attach copies of land use agreements signed by all landowners.

Additional information (attach any additional information as required)

<sup>\*\*</sup> Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 Manure Spreading Regulations)

<sup>\*\*\*</sup> Brown, dark brown, black, grey wooded, or irrigated





NRCB USE ONLY		
MINIMUM DISTANCE SEPARATIO	)N	
Methods used to determine distance (if applications)	able): Google eart	<u>h</u>
Margin of error (if applicable): n/a		
Requirements (m): Category 1: 271	Category 2: 361	Category 3: 452 Category 4: 722
Technology factor:		☐ YES ☑ NO
Expansion factor:		☐ YES ☑ NO
MDS related concerns from directly affected p	arties or referral ager	ncies: YES 🖸 NO
LAND BASE FOR MANURE AND CO	OMBOST ABBLIC	ATION
Land base required: N/A not for an	increase in permit	ted livestock
Land base listed:	<del></del>	
Area not suitable:		
Available area		Requirement met: YES NO
Land spreading agreements required:	☐ YES ☐ NO	
Manure management plan:	☐ YES ☐ NO	If yes, plan is attached:
PLANS		
FLANS	,	
Submitted and attached construction plans:	Y YES N	0
Submitted aerial photos:	☑ YES ☐ N	10
Submitted photos:	☐ YES ☑ N	10
GRANDFATHERING		
Already completed:	☐ YES ☑ N	IO 🗆 N/A
If already completed, see See PB25002		



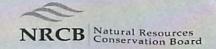
NRCB USE ONLY							
ALL SIGNATURES I	IN FILE	☑YES □	]NO				
DATES OF APPROV	AL OFFICER SITE V	ISITS					
April 23, 2025			F	ebru	uary 5,	2025	
CORRESPONDENCE	E WITH MUNICIPAL	ITIES AN	ID REFERR	RAL A	AGEN	CIES	
Date deeming letters sent	April 28, 2025				_		
Municipality: Westloo	k County				_		
☑ letter sent	response received	writter writter	n/email		verbal		no comments received
Alberta Health Services	s:						
☐ letter sent	☐ response received	☐ writter	n/email		verbal		no comments received
Alberta Environment ar	nd Parks:						
☑ letter sent	response received	☐ writter	n/email		verbal	₽	no comments received
Alberta Transportation	: 🗹 N/A						
☐ letter sent	response received	☐ writter	n/email		verbal		no comments received
Alberta Regulatory Ser	vices:						
☑ letter sent	response received	☐ writter	n/email	Ø	verbal		no comments received
	·						
Other: Pembina Rive	r Natural Gas					□ N/A	
letter sent	response received	☐ writter	n/email		verbal	$   \sqrt{} $	no comments received
Other:						□ N/A	
_							
☐ letter sent	☐ response received	☐ writter	n/email		verbal		no comments received



Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area and/or manure storage facility(ies)

cility description / name (	'as indicated on site plan)	1. Pacl
		2. Born
nure storage capacity		3. calf barn
Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)  NRCB USE ONLY Estimated storage capacity (m³)
34/m	20,m	On
. 85	34	0
28.5 m	7 m	O TOTAL CAPACITY Adequate storage for solid on site
uirements for STMS are set rface water control syste escribe the run-on and runc	out in the NRCB <u>Short-Term s</u> ms	as part of my manure storage and handling plan for this CFO. The AOPA Solid Manure Storage Requirements Fact Sheet.  The back of pad to retain
reguirements for STMS are set unface water control system of the run-on and runch of the ru	out in the NRCB <u>Short-Term s</u> ms	Solid Manure Storage Requirements Fact Sheet.
purface water control system of the purpose of the	out in the NRCB Short-Term.	the back of pad to retain
purface water control system of syst	out in the NRCB <u>Short-Term s</u> ms	the back of pad to retain
puriface water control system of the protection describe how the physical interpretation of t	tegrity of the liner will be main	the back of pad to retain

Last updated February 26, 2021



Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area and/or manure storage facility(ies)

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Concrete liner (cont.) Concrete liner details Concrete thickness Method of sulphate protection: typelo with fly ash Concrete strength Concrete reinforcement size and spacing Concrete requirements can be found in Technical Guideline Agdex 096-93 NRCB USE ONLY Guideline minimums: YES NO Requirements met: Solid manure: 25MPa (D) Solid manure (wet): 30MPa (C) Condition required: Method of sulphate protection: Type 50 or Type 10 with fly ash or equivalent Report attached: Additional information (attach as required) NRCB USE ONLY Nine month manure storage volume requirements met YES YES With STMS >6 m YES NO Depth to water table: Requirements met: 32 m YES NO Depth to Uppermost groundwater resource: Requirements met: ERST completed: see ERST page for details Surface water control systems Requirements met: YES INO Details/comments: Concrete liner details Applicant to provide documentation confirming concrete information Dairy barn and calf barn require Category D 25 mpa; solid manure storage pad requires 30 mpa. Leakage detection system required: TYES M NO If yes, please explain why.

Last updated February 26, 2021